

CLAIMS:

1. A CATV system comprising at least one primary station (2) and a plurality of secondary stations (4), the primary station (2) and the secondary stations (4) being interconnected via a CATV network (6), the CATV network (6) comprising a plurality of nodes (8, 10, 12, 14), wherein at least part of the nodes (8, 10, 12, 14) are redirection nodes (30) comprising redirection means (32) for redirecting data signals, and wherein the CATV network (6) has a tree-like hierarchical structure with several hierarchical levels and several branches, characterized in that the CATV network (6) comprises horizontal interconnections (20) between redirection nodes (30) which are part of a same hierarchical level and/or diagonal interconnections (22) between redirection nodes (30) which are part of different hierarchical levels and of different branches.

2. A CATV system according to Claim 1, characterized in that the interconnections (20, 22) comprise wireless interconnections.

3. A CATV system according to Claim 2, characterized in that the wireless interconnections comprise wireless RF interconnections.

4. A CATV system according to Claim 2, characterized in that the wireless interconnections comprise wireless IR interconnections.

5. A CATV system according to any one of the preceding Claims, characterized in that the CATV network (6) comprises a HFC network.

6. A CATV network (6) comprising a plurality of nodes (8, 10, 12, 14), wherein at least part of the nodes (8, 10, 12, 14) are redirection nodes (30) comprising redirection means (32) for redirecting data signals, and wherein the CATV network (6) has a hierarchical structure with several hierarchical levels, characterized in that the CATV network (6) comprises horizontal interconnections between redirection nodes (30) which are part of a

same hierarchical level and/or diagonal interconnections (22) between redirection nodes (30) which are part of different hierarchical levels and of different branches.

Parameter	Value
Temperature (°C)	25
Pressure (kPa)	101.3
Humidity (%)	50
Light intensity (μmol photons m ⁻² s ⁻¹)	150
CO ₂ concentration (ppm)	400
Medium	Modified BG-11
Light source	LED
Light path length (cm)	10
Flow rate (L h ⁻¹)	100
Sampling frequency (min)	5
Measurement error (%)	±2
Reproducibility (%)	±1
Statistical analysis	ANOVA
Significance level	0.05
Software	Excel 2010
Hardware	PC Intel Core i5, 8GB RAM
Manufacturer	Shanghai
Model	WZ-100
Year	2015
Country	China
City	Shanghai
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